

7 Things to know about **OHSAS 18001** and **Integrated Safety Management (ISM)**

1. The **Environment, Safety, Security and Health (ESSH) Policy** sets the BNL vision of excellence in research & operations while incorporating health & safety into every action.
2. **Standards Based Management System (SBMS)** provides the overarching rules on how to conduct hazardous operations at BNL.
3. **OHSAS 18001** and the DOE Integrated Safety Management (ISM) use a **continuous improvement cycle** to deliver health and safety evaluations of operations in the planning stage, during work, and in follow-up reviews. The ESSH Excellence Logo (shown right) shows the full cyclic process of ISM.



4. **Occupation, Safety and Health (OSH) Representatives** provide access to management. James Tarpinian, BNL's Associate Laboratory Director for Environment, Safety, Health & Quality, is the Lab's BNL OSH Representative. Every BNL directorate has an OSH Representative (see your directorate organization chart).

5. **Risk Assessments** are key components of OHSAS 18001 and ISM. In OHSAS, [Job Risk Assessment \(JRA\)](#) and [Facility Risk Assessment \(FRA\)](#) are used to identify hazards, determine the risk level, and ensure that appropriate controls are in place.

Activity	Hazard	Control(s)	Stressor	# of People A	Frequency B	Severity C	Likelihood D	Risk* AxBxCxD
Entering and riding in streets with vehicle traffic	Fall from bicycle and struck by vehicle traffic	Helmet, traffic rules, snow and ice removal, lighting, Traffic Safety subject area; awareness Bulletins, Healthfest promotions, bicycle safety equipment such as reflectors & lights, maintenance of BNL owned bicycles, road signage,	N	1	4	3	3	36
			Y	1	4	3	4	48

6. **Employee involvement** is a fundamental expectation of OSHAS and ISM. Every employee is empowered to share ideas to improve the environment, safety, health and security aspects of daily operations.
7. **Two-way communication** between workers and supervision is another fundamental principle in OHSAS and ISM. Every worker is encouraged to interact with their supervisor and/or contribute questions, concerns, and comments regarding ESSH issues.

7 Things to know about OHSAS 18001 and Integrated Safety Management (ISM)

1. The **BNL Environment, Safety, Security and Health (ESSH) Policy** (shown right) is available to you as a framed poster in most buildings and on the [BNL web page](#). The policy sets the vision of excellence in research & operations while incorporating health & safety into every action. Every employee and guest is expected to embrace and practice the principles set in this policy.



2. BNL operations will comply with ESSH regulations. The [Standards Based Management System \(SBMS\)](#) provides the overarching rules on how to conduct hazardous operations at BNL. SBMS documentation ensures that BNL operations follow DOE, OSHA, EPA and other applicable regulations.

3. [OHSAS 18001](#) is a set of expectations for developing a Management System that will deliver high-quality health and safety evaluations of operations in the planning stage, during work, and in follow-up reviews. This process partners with the DOE Integrated Safety Management (ISM) expectations. The fundamental concept in both systems is a continual improvement cycle. The ESSH Excellence Logo (shown right) shows the full cyclic process of ISM.



4. **Occupation, Safety and Health (OSH) Representatives** provide workers with an avenue to have ESSH concerns addressed by management. James Tarpinian, BNL's Associate Laboratory Director for Environment, Safety, Health & Quality, is the Lab's BNL OSH Representative. Tarpinian is the ESSH advocate on the councils and committees that meet on Lab-wide issues.. All workers are encouraged to contact him with any concerns or ideas regarding ESSH. In addition, every BNL directorate has an OSH Representative. You can find your OSH Representative on your directorate organization chart.

5. Risk Assessments are key components of OHSAS 18001 and ISM. Both systems require analyzing and controlling risks so that the work is performed safely and efficiently. In OHSAS, [Job Risk Assessment \(JRA\)](#) and [Facility Risk Assessment \(FRA\)](#) are processes used to identify hazards, determine the risk level, and ensure that appropriate controls are in place. When combined with Work Planning and Control Documents (i.e., ESR, Work Permits, RadWork Permits, etc), every potentially hazardous activity conducted at BNL receives a risk assessment before work begins.

Activity	Hazard	Control(s)	Stress or # of People A	Frequency B	Severity C	Likelihood D	Risk* AxBxCxD
Entering and riding in streets with vehicle traffic	Fall from bicycle and struck by vehicle traffic	Helmet, traffic rules, snow and ice removal, lighting, Traffic Safety subject area; awareness Bulletins, Healthfest promotions, bicycle safety equipment such as reflectors & lights, maintenance of BNL owned bicycles, road signage,	N	1	4	3	36
			Y	1	4	3	48

6. Employee involvement is a fundamental expectation of OSHAS and ISM. Everyone working at the Laboratory is encouraged to talk about ESSH issues and provide input into the planning and control processes. Many communication venues are available, including participation in Risk Assessment teams, discussions during Experimental and Work Permit reviews, walkthrough inspection teams, safety committees, employee suggestion programs, and the S2 (Safety Solutions) program. Under ISM, every employee is empowered to share ideas to improve the environment, safety, health and security aspects of daily operations. Both ISM and OHSAS are based on the principle that the worker knows the process best and hence plays a key role in planning and updating operations that help the work to be performed in the safest manner.
7. Two-way communication between workers and supervision is another fundamental principle in OHSAS and ISM. Vital or time sensitive safety information is conveyed by Lab wide emails or via supervisors. ESSH information is shared with employees via the Bulletin, Monday Memo, ESH&Q Newsletter, Family Safety & Health Magazine, All-Hands meetings, directorate level Safety Meetings, Tool Box & Tailgate meetings, and the BTMS Training system. Further, every worker is encouraged to interact with their supervisor and/or contribute questions, concerns, and comments regarding ESSH issues.